

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 412 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 2/1/08 to 5/1/08:

- **WE2XDB RAYTHEON AIRCRAFT COMPANY 0295-EX-PL-2006**
New experimental to operate in various bands between 540 kHz to 18 GHz for testing the ability of aircraft to shield against high intensity radiated fields.
Mobile: Wichita (Sedgwick), KS
- **WE2XMV DRS CODEM SYSTEMS 0518-EX-PL-2007**
New experimental to operate in various frequency bands between 1780 kHz and 4940 MHz for testing direction finding equipment.
Mobile: Merrimack, NH
- **WE2XNL CESSNA AIRCRAFT COMPANY 0590-EX-PL-2007**
New experimental to operate on select frequencies between 2.3226 MHz and 28.6426 MHz for antenna testing.
Mobile: Wichita Mid-Continent Airport (Wichita), KS
- **WE2XBT BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0014-EX-PL-2006**
New experimental to operate in select frequency bands between 15 and 1200 MHz to operate an antenna test range.
Fixed: Litchfield (Hillsborough), NH
- **WE2XNG WOLF CREEK NUCLEAR OPERATING CORPORATION 0700-EX-PL-2007**
New experimental to operate in 150-806 MHz for evaluating communications inside and around a nuclear reactor.
Fixed & Mobile: Burlington (Coffey), KS
- **WE2XCB THE BOEING COMPANY 0317-EX-PL-2006**
New experimental to operate in 152-162.015 MHz and 162.035-170 MHz to operate an antenna test range.
Mobile: Mesa (Maricopa), AZ
- **WE2XLD CESSNA AIRCRAFT COMPANY 0134-EX-PL-2007**
New experimental to operate on 330 MHz for testing of aviation equipment.
Mobile: Hutchinson, KS Municipal Airport
- **WE2XFM L3-COMMUNICATIONS / RANDTRON SYSTEMS 0660-EX-PL-2006**
New experimental to operate in 375-400 MHz to operate an antenna test range for evaluating and tuning antennas under contract.
Fixed: Half Moon Bay (San Mateo), CA
- **WE2XLG CALIFORNIA DEPARTMENT OF FISH AND GAME 0254-EX-PL-2007**
New experimental to operate on 401 MHz for wildlife study.
Mobile: The west coast of the United States

- **WE2XOL THE BOEING COMPANY 0299-EX-PL-2007**
 New experimental to operate in 476-482 MHz, 506-512 MHz, 536-542 MHz, 578-584 MHz, 602-608 MHz, 656-662 MHz, 710-716 MHz, 734-740 MHz, 740-746 MHz and 752-758 MHz for Robust Surface Navigation.
 Mobile: St. Charles County Smartt Field
- **WE2XOQ R & L MEDIA SYSTEMS 0079-EX-PL-2008**
 New experimental to operate in 578-584 MHz for testing antennas.
 Fixed: Hendersonville (Sumner), TN
- **WE2XBR BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0015-EX-PL-2006**
 New experimental to operate on various frequencies between 700 and 4300 MHz to operate an antenna test range.
 Fixed: Merrimack (Hillsborough), NH
- **WE2XPY QUALCOMM INCORPORATED 0061-EX-PL-2008**
 New experimental to operate in 746-752 MHz for MediaFlo testing in channel 60.
 Fixed: San Diego (San Diego), CA
- **WE2XOP RAYTHEON 0005-EX-PL-2008**
 New experimental to operate in 824-849 MHz and 1850-1910 MHz to test cellular infrastructure design and propagation techniques.
 Mobile: Raytheon Laboratory, Falls Church, VA
- **WE2XPO NOKIA SIEMENS NETWORKS US LLC 0046-EX-PL-2008**
 New experimental to operate in 824-894 MHz, 1860-1990 MHz 944-960 MHz and 2110-2150 MHz for network testing of cellular, PCS and AWS hardware and software.
 Mobile: Nokia Building Facility, San Francisco, CA
- **WE2XNS CISCO SYSTEMS 0702-EX-PL-2007**
 New experimental to operate in 870-876 MHz and 915-921 MHz for testing networking equipment with a TETRA system for use in Europe.
 Mobile: Cisco campus building 19, San Jose, CA
- **WE2XNW STARKEY LABORATORIES, INC. 0695-EX-PL-2007**
 New experimental to operate in 902-928 MHz to determine the feasibility of operating a wireless communication interface from a transmitter to a radio embedded in a hearing aid.
 Mobile: Eden Prairie, MN
- **WE2XKY MOOG INC. 0559-EX-PL-2007**
 New experimental to operate on 962 MHz, 1021 MHz, 1081 MHz, 1151 MHz and 1198 MHz for testing a Tactical Air Navigation (TACAN) system.
 Fixed: Salt Lake (Salt Lake), UT
- **WE2XKT DB SYSTEMS, INC. 0597-EX-PL-2007**
 New experimental to operate on 962 MHz, 1021 MHz, 1081 MHz, 1151 MHz and 1214 MHz for testing antennas to enforce quality assurance specifications.
 Fixed: Hurricane, UT
- **WE2XNH SENSIS CORPORATION 0329-EX-PL-2007**
 New experimental to operate on 978 MHz for testing of universal access transceiver- ground based.
 Fixed: North Bend (Coos), OR; Redmond (Deschutes), OR; John Day (Grant), OR; Burns (Harney) OR; Pendleton (Umatilla), OR; Baker (Baker). OR
- **WE2XOJ NORTHROP GRUMMAN SPACE & MISSION SYSTEMS CORP. 0068-EX-PL-2008**
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: San Diego (San Diego), CA

- **WE2XLW LOCKHEED MARTIN CORPORATION 0098-EX-PL-2007**
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Orlando (Orange), FL
- **WE2XMU BIGELOW AEROSPACE, LLC 0345-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for testing radio navigation satellite service (RNSS) equipment and system.
 Fixed: North Las Vegas (Clark), NV
- **WE2XOE HYUNDAI MOTOR MANUFACTURING ALABAMA, LLC 0404-EX-PL-2007**
 New experimental to operate on 1575.42 MHz using a GPS re-radiator to test GPS equipment inside auto maker's repair facility.
 Fixed: Montgomery (Montgomery), AL
- **WE2XNP TSAIA 0691-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for a GPS re-radiator.
 Fixed: Anchorage (Anchorage), AK
- **WE2XFO QUALCOMM INCORPORATED 0178-EX-PL-2007**
 New experimental to operate in 1710-1755 MHz and 2110-2155 MHz for testing and evaluation of various technologies, CDMA, EVDO, UMB, etc.
 Fixed & Mobile: San Diego (San Diego), CA and Bedminster (Somerset), NJ
- **WE2XQZ MASSACHUSETTS INSTITUTE OF TECHNOLOGY 0129-EX-PL-2008**
 New experimental to operate in 1870-1875 MHz and 1950-1965 MHz for CDMA PCS testing.
 Mobile: Within a 2 km radius of Cambridge, MA
- **WE2XPP TIME WARNER CABLE LLC 0401-EX-PL-2007**
 New experimental to operate in 1920-1980 MHz and 2110-2170 MHz to test new and advanced IP based applications.
 Fixed & Mobile: Herndon (Fairfax) VA
- **WE2XPK BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0112-EX-PL-2008**
 New experimental to operate in 1920-1980 MHz and 2110-2170 MHz for testing an RF system.
 Mobile: Temporary Fixed Locations Within Merrimack, NH
- **WE2XNE CLARITY MEDIA SYSTEMS, LLC 0692-EX-PL-2007**
 New experimental to operate in various bands from 2025-2109 MHz for testing equipment to implement a short-range, low power television service at highway travel plazas.
 Fixed: Winslow (Navajo), AZ; North Salt Lake (Davis), UT
- **WE2XLQ NEW ICO SATELLITE SERVICES G.P. 0599-EX-PL-2007**
 New experimental to operate in 2180-2200 MHz to validate coverage performance of terrestrial repeater sites to be used for an ancillary terrestrial component of a mobile satellite service.
 Fixed: Las Vegas (Clark), NV
- **WE2XQX NEW ICO SATELLITE SERVICES G.P. 0095-EX-PL-2008**
 New experimental to operate in 2180-2200 MHz for validating the coverage performance of ATC base station sites.
 Fixed: Durham (Durham), NC; Raleigh (Wake), NC; Cary (Wake), NC; Apex (Wake), NC; Morrisville (Wake), NC; Chapel Hill (Orange), NC
- **WE2XKU L-3 COMMUNICATIONS / RANDTRON SYSTEMS 0027-EX-PL-2008**
 New experimental to operate in 2300-2700 MHz for testing IED detection and neutralization under contract.
 Fixed: Half Moon Bay (San Mateo), CA
- **WE2XNX COMCAST WCS ME19, INC. 0699-EX-PL-2007**
 New experimental to operate in 2305-2360 MHz to test 802.16e mobile WiMAX equipment on WCS channel blocks A, B and C.
 Fixed & Mobile: Muncie (Delaware), IN

- **WE2XEQ BOEING COMPANY, THE 0585-EX-PL-2006**
 New experimental to operate in 2400-2500 MHz, 4900-5000 MHz and 5250-6000 MHz for testing antennas for using on the aircraft.
 Mobile: Goodyear (Maricopa), AZ
- **WE2XNI W3 COMMUNICATIONS, INC 0424-EX-PL-2007**
 New experimental to operate in 3650-3700 MHz for testing WiMax equipment.
 Fixed & Mobile: Chandler, AZ; Gallup, NM; Santa Fe, NM; Fort Summer, NM; Albuquerque, NM; Grand Rapids, MI; Newport News, VA; Augusta, GA; Amarillo, TX; Reno, NV; Yuma, AZ; Casa Grande, AZ; Nogales, AZ; Globe, AZ; Gilbert, AZ; Little Rock, AR; Tacoma, WA; Providence, RI; Henderson, NV; North Las Vegas, NV; Boulder City, NV; St. George, UT; Cedar City, UT; Boise, ID
- **WE2XMZ NEPTUNO MEDIA 0663-EX-PL-2007**
 New experimental to operate in 3650-3700 MHz for testing WiMax equipment.
 Mobile: San Juan, PR, at temporary fixed locations
- **WE2XPB HARRIS CORPORATION 0093-EX-PL-2008**
 New experimental to operate in 4940-4990 MHz for testing equipment in connection with the development efforts of the United States Army Warfighter Information Network-Tactical (WIN-T) and Future Combat Systems (FCS) programs.
 Fixed & Mobile: Palm Bay (Brevard), FL
- **WE2XQQ BOEING COMPANY, THE 0318-EX-PL-2007**
 New experimental to operate in 5000 MHz bands for equipment testing.
 Mobile: Phoenix-Litchfield Airport, Goodyear (Maricopa), AZ
- **WE2XEI CIELO NETWORKS, INC. 0491-EX-PL-2006**
 New experimental to operate in 5925-6425 MHz, 10700-11700 MHz, 17700-19700 MHz and 21200-23600 MHz for testing and demonstrating over-the-air operation of point-to-point digital microwave equipment.
 Mobile: Within the Continental United States, AK & HI
- **WE2XEU RAYTHEON SYSTEMS (SAS) 0630-EX-PL-2006**
 New experimental to operate in 9300-10650 MHz for testing wideband air-to-ground radar.
 Mobile: LAX Airport, Los Angeles, CA, at an altitude of 5000 ft. to 35000 ft.
- **WE2XNV LAPOINT BLASE INDUSTRIES, INC. 0705-EX-PL-2007**
 New experimental to operate in 9320-9370 MHz for testing system operation and validation of X-Band portable Doppler weather radar.
 Mobile: Saint Louis, MO
- **WE2XPC BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0073-EX-PL-2008**
 New experimental to operate in 10700-12750 MHz for testing RF systems.
 Mobile: Merrimack (Hillborough), NH
- **WE2XQH GATR TECHNOLOGIES 0143-EX-PL-2008**
 New experimental to operate in 14000-14500 MHz to test and demonstrate inflatable antenna technology under government contract.
 Mobile: Huntsville (Madison), AL, and at temporary fixed locations across the United States
- **WE2XMJ LOCKHEED MARTIN CORPORATION 0012-EX-PL-2007**
 New experimental to operate in 14400-14830 MHz and 15350-15500 MHz for testing a tactical common data link for the Apache helicopter.
 Mobile: Orlando (Orange), FL
- **WE2XAY RAYTHEON COMPANY 0509-EX-PL-2006**
 New experimental to operate on 14880 MHz for testing an airborne point-to-point common data link system under contract.
 Mobile: Nellis AFB, NV, up to 35,000 feet

- **WE2XAZ RAYTHEON COMPANY 0520-EX-PL-2006**
New experimental to operate on 14880 MHz for testing an airborne point-to-point common data link system under contract.
Mobile : LAX Airport, Los Angeles, CA, up to 35000 ft.
- **WE2XLH THE BOEING COMPANY 0213-EX-PL-2007**
New experimental to operate on 16000 MHz for equipment testing.
Mobile: Edwards Air Force Base, California
- **WE2XNZ UNIVERSITY OF KANSAS CENTER FOR RESEARCH (KUCR) 0043-EX-PL-2008**
New experimental to operate in 21000-24000 MHz to study the effects of localized weather events.
Fixed: Lawrence (Douglas), KS
- **WE2XNU LOCKHEED MARTIN CORPORATION 0570-EX-PL-2007**
New experimental to operate in 34.65-35.35 GHz for integration and demonstration of the ICX STS-1400 perimeter surveillance radar.
Mobile: Syracuse (Onondaga), New York; within 1 km
- **WE2XMQ REGENTS OF THE UNIVERSITY OF CALIFORNIA 0675-EX-PL-2007**
New experimental to operate in 59-62 GHz for RFID testing.
Mobile: Santa Barbara (Santa Barbara), CA